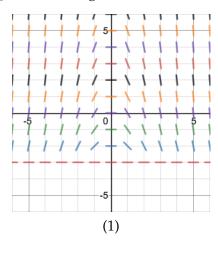
Math 211 Quiz 03

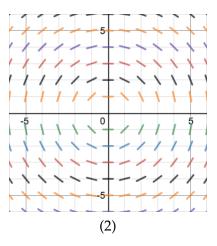
W 10 Jul 2019

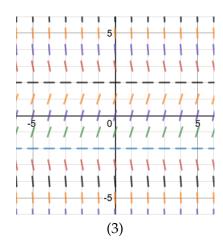
Your name:	

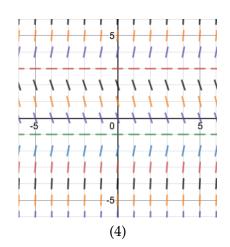
Exercise

(2 pt) Matching : Write the number of the slope field next to its corresponding 1st-order ODE. *Hint:* Is there anywhere the ODE is not defined? Where are the equilibrium solutions, if any? What happens to the algebraic value of $\frac{dy}{dt} = f(t,y)$, and to the slope at (t,y) in the slope field, as we change y? as we change t?









__(2)__ (a)
$$\frac{dy}{dt} = -\frac{t}{y}$$

__(4)__ (b)
$$\frac{dy}{dt} = y^2 - 2y - 3$$

__(3)__ (c)
$$\frac{dy}{dt} = -y^2 + 4$$

(1) (d)
$$\frac{dy}{dt} = -t\sqrt{y+3}$$